H.264 NETWORK
Embeded DVR

USER MANUAL

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1 Appearance

1.1 Front panel

Button Description

1. POWER ON/OFF
2. Volume
3. Menu
4. chose program dawn wards
   (Moving the cursor
   down wards)
5. Angle adjustment(-)
6. Angle adjustment(+)
11. converter button
    MUTE

7.8.9.10. Clock adjust:

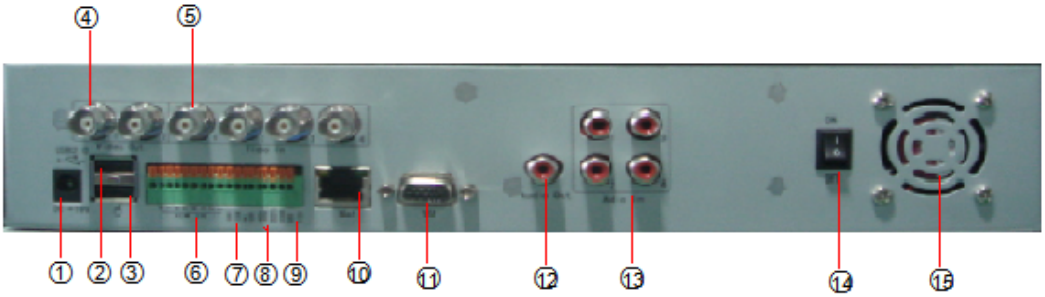
a. Pressing HOUR(HOU)there
   with Press SET to change hours

b. Pressing MINUTE(MIN)
   there with Press SET to Change
   minute

In order to prolong the using life LCD, please close when not in use

LIGHT	POWER	Connect the power supply when DVR
	REC	When the state of video display DVR
	ALARM	When the alarm showed DVR
	100M	Network than 100M shows
	LINK	Internet connection
MENU	Enter the system menu	
PTZ	Enter PTZ control mode	
LOAD	Cancellation of users	
□	Convert image	
REC/STOP	REC/STOP function	
ESC	Exit button	
PLAY	Play video files	
FRAME	Frame put	
NEXT	Next section	
BACK	Quick back	
FAST	Quick playback	
▲.▼.◀.▶	The direction key	
POWER	The power switch	

1.2 Rear panel



①	Power	②	USB2.0
③	Mouse	④	Video out
⑤	Video in	⑥	Alarm in□Note:road for four road alarm input DVR and alarm input 5-8 no effect□
⑦	Alarm out	⑧	RS485
⑨	RS232	⑩	Network
⑪	VGA	⑫	Audio out
⑬	Audio in	⑭	Power switch
⑮	Fan		

2 INTRODUCTION

2.0 MAIN FEATURE

Local recording, playback, support trible code remote network surveillance, data backup, parameter setting, motion detection, I/O alarm setting,PTZ and USB mouse.

2.1 PRODUCT FEATURES

- ✧ H.264 compression
- ✧ Two USB interface, USB2.0 for data backup, USB1.1 for mouse operation.
- ✧ 3.5” SATA HDD.
- ✧ Special file system for secureity.
- ✧ 16 nature translucence GUI, note for menu selected
- ✧ optimized four channel simultaneously playback, (8ch just support one channel playback)
- ✧ double level user management

Support the live view, parameter setting and copy playback video via network.

2.1.1 PARAMETER

Item	Device	performance index
System	Language	Chinese/English
	GUI	Graphic menu
	password	user password, administrator password
Video	Video in	4CH complex video input 1.0Vp-p□impedance75Ω□BNC
	Video out	2CH complex video output 1.0Vp-p□impedance75Ω□BNC
	Video display	1/4channel switch/8ch 1/4/9 switch
	Video standard	PAL□25f/s□CCIR 625line□50scene NTSC□30f/s□CCIR 525line□60scene
Audio	Audio input	4CH audio input□impedance600Ω□RCA
	Audio output	1CH audio output□impedance600Ω□RCA
	Basic electricity output	Linearity electricity
	Record style	Audio video recorded simultanously
	Audio compression	ADPCM
Picture proceeding	Picture compression	H.264

and store	Picture resolution	CIF/HD1/D1(8CH Device only CIF)
	Streaming style	ISO14496-10
	Audio style	ADPCM
	Video code rate	CIF: 384~768 Kbps HD1: 512~1024 Kbps D1□512~1024 Kbps
	Audio code rate	32KB/s
	Data storage	
Alarm	Alarm input	4 alarm input
	Alarm output	1 alarm output
Connector	Servial interface	Support 1 RS232
	Servial interface	Support 1 RS485
	Network interface	RJ45□10M/100M
USB	Mouse	USB1.1□
	Udisk	USB2.0
VGA	VGA	1 VGA □select□
Software	PC playback	Playback video file
Software upgrade	Support USB,network firmware upgrade	
ohters	Voltage input from	AC:110~240V
	Voltage output for DVR	DC□19V@3A
	Voltage output	+12V@1A(8CH Device w/o output)
	Power	6W without HDD
	Working tempreture	-10----60□

2.1.2 BASIC WORKING PARAMETER

item	parameter	remark
Voltage input	19V	DC 19V@3A.
Voltage outputfor camera	12V□+/-0.2V□	12V@1A.
Video input impedance	75Ω	75Ω each channel.
Video output	1Vp-p	1Vp-p CVBS signal
I/O	0—2V	Low voltage alarm
	5V-30v	Hight voltage alarm
RS232		serial port, for extend use
RS485		Connect to PTZ, (Pelco-D□Pelco-P)
SATA HDD		One SATA with all capability

2.1.3 ENTIRONMENT ADAPTABILITY

For the saftly using DVR and prolong device life, please pay attention on following detail□

1) When installing device, please comply all the electric product safty criterion□
2) Power and ground□
   - ◆ Do not touch the power and DVR with a wet hand
   - ◆ Do not drop liquid on DVR
   - ◆ Do not put others on DVR
   - ◆ Please using soft dry cloth when clean DVR, do not using chymistimpregnant
   - ◆ When the power line connects with jack, even don't startup device. There is still have voltage
   - ◆ If you do not use device for long time, please take the power line away from jack.

3 OPERATION MANUAL

In device operation, the enter key on remote control has the same function with mouse left click.

3.1 REMOTE KEY INSTRUCTION OPTIONAL

3.1.1 REMOTE CONTROL

Handheld IR Controller Key Functions:

0 9 keys During setup, number keys are used to input values.

For viewing channels 1,2,3 and 4, use 1,2,3 and 4 on numeric keypad

respectively.

▲□▼ Up, Down directional keys: Move selection up and down in setup menu.

◀□▶ Left, Right directional keys: Move cusor left or right in setup menu.

Enter key: During setup, select and save entry

During Playback and preview, displays the channel name, text number, driver name, event sensor item and time, year/month/date, time, GPRS/GPS info. on the screen.

PLAY Starts/Resumes playback from any other mode (FF, RR, Frame by Frame etc)

SLOW Reduces playback speed to 1/2X 1/4X 1/8X 1/16X mode. Press PLAY to return to normal playback speed.

PAUSE/STEP Freezes playback to single frame and can advance one frame at a time. To advance the frame press Pause/Step to move frame by frame. Press EXIT to return to normal playback speed.

FWD : Fast forward the video while playback.X1, X2, X3, X4 modes available. PressFWD to switch, press PLAY to return to normal speed

REV : Reverse the video while playback, 1X,2X,3X,4X four modes are available. Press REW to switch, press PLAY to return to normal speed

POWER ON : Reset the MDVR to Power on and Power off mode. (standby and start up)

LOGIN/LOCK : If the security is enabled in the setup, use LOGIN/LOCK key to enter the user setup. It is important to remember the password due to without restoration function. Log in to enter into "User ID select" and "Password" input interface and lock functions To exit setup and operation

EXIT : Exit to the preview or return to the last menu

RECORD Start manual record—must in manual mode

STOP Stop manual record

SETUP Enter into setup interface and setup the system parameters

PTZ PTZ control press this key to enter into PTZ control interface when at single live view

□**EXTRA**□For future use .

3.2 MOUSE OPERATION

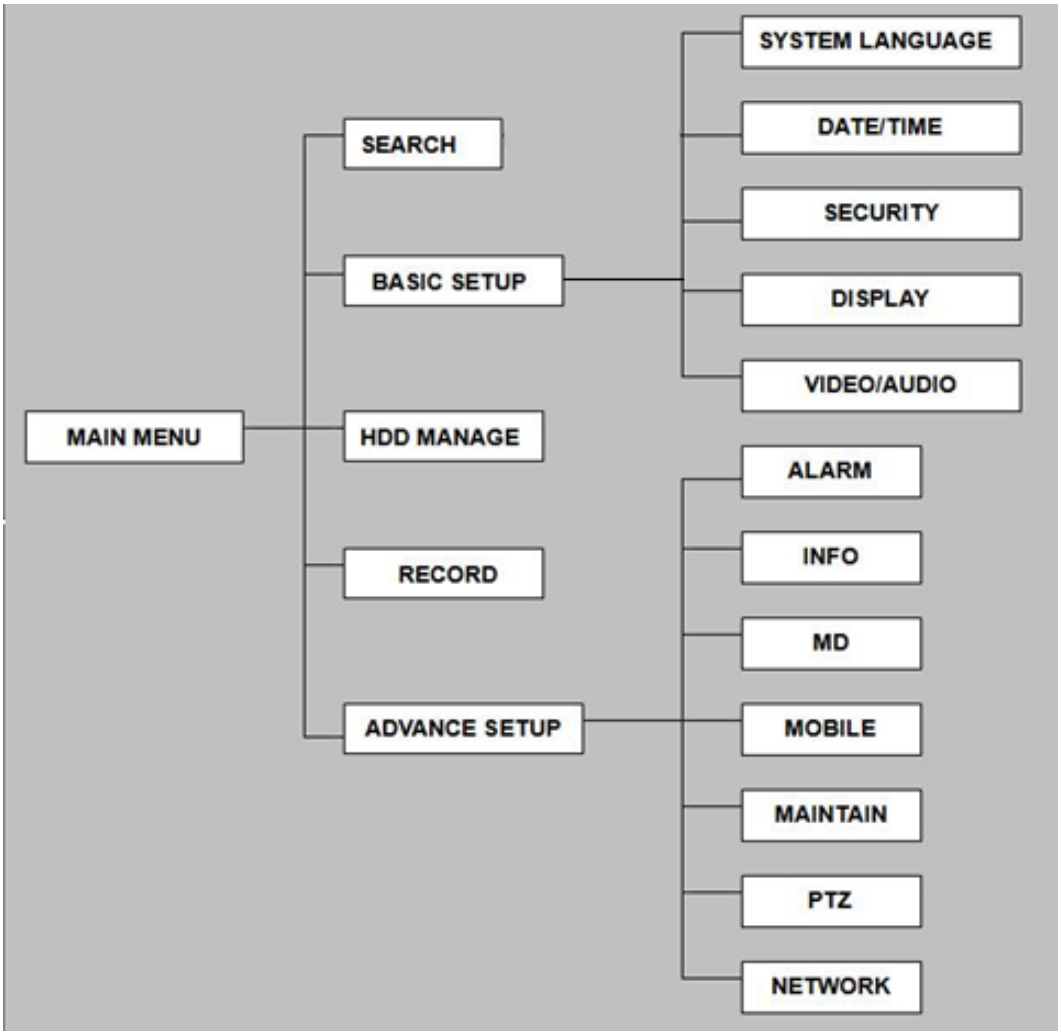
You can use mouse to make operation of the menu except IR remote controller. (The operation usage is the same as PC Windows).Please inserts the mouse into USB1.1.

Click right key	Enter into main menu: Click the right key on the live view.
	Exit the present menu: It won't save the settings if you click the right key to exit.
	Exit the playback interface: Click the right key to exit when you are playback.
Click left key	Click the left key to enter into the setting interface.

	Click the left key to zoom in the window on the live view and playback video. Double click the left key can exit to the live view and playback multi-window interface.
	1. Volume adjustment, color adjustment, PTZ setting and VGA border operation.It is for setting the single channel for volume adjustment, PTZ control and color adjustment.If it is multi-window, please use the left key to select the single window. 2. The remark when click the left key for volume adjustment,color adjustment,VGA border is as follow: a. There is and on the PTZ setting to adjust parameter, click it can make the setting for PTZ. b. There is a sticker to show the volume on the volume adjustment interface.Move the mouse to the corresponding position and click the left key,The right side of sticker will show the volume ,click “x”to exit; c. Color adjustment and VGA border operation can refer to the volume adjustment interface operation.
	When there are many options in the option frame,click left key to ball out down-pull menu.
	To click the left key on the playback interface can make >> means forward, << means rew, >>I means Slow play, I> means frame play,> means Play, X means exit.
Click left	1. In the input frame, click the left key can activate the keyboard. The number, symbol, english can be input by clicking the mouse left. 2. Pingyin also can be input by the softkeyboard when enter Chinese, the method is the same as IR remote controller.You can use the left key to turn over the page when check on Pingyin/Chinese word. 3. When input number, use the left key to select the corresponding value.Also click the left key to exit the number keyboard.
Mouse move	1. Press the left key to move the mouse can adjust the parameter on the volume, color.And the corresponding parameter will be display at the same time. 2. In the Motion Detection setting interface, you can use the left key to drag the frame to set the motion detection area.

3.3 MENU TREE

You can control the DVR by a lot of menu operation.This tree will show you the menu structure and it will be in details in after chapter.



3.4 SYSTEM OPERATION

3.4.1 START-UP

Connect the DC19V/3A adapter to DVR. When start up the DVR, □POW□LED will be on and 4 images will be display on the screen. If it has setup ignition recording or time recording, the system will record automatically and the corresponding LED will be on, the system work normally.

Remark: If there is no HDD in device, or device didn't read the HDD, it will display an □H□ in live view.

3.4.2 SYSTEM LOGIN

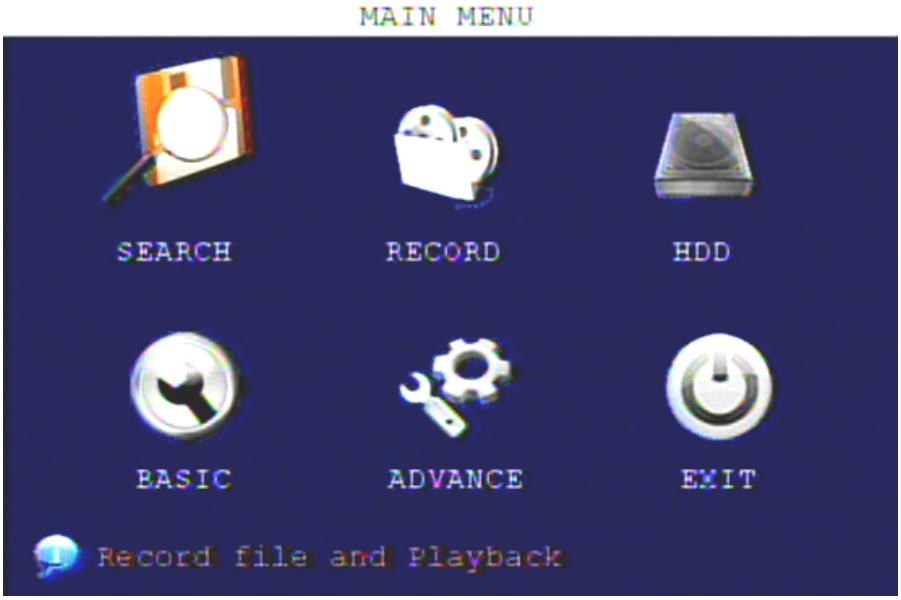
When you login, you will find the window as follow if the password is enabled, Input device ID and user password via numeric key-board, and you access to main menu via press □Apply□

Remark: default device ID is: 00000, and the password is :user password is oooooo and Admin password is 020818, in order to manage the device more convenience, please setup the user password and change the device ID in the base setup. You can setup user and admin password, Administrator has all authorities, operator has limited authorities who they can only watch, playback, please change the unit ID and default password in time for system security.

Unit ID: You just need to enter the unit ID as the right frame.

Password: enter the admin password or user password.

GUI OPERATION
The main menu include “SEARCH”,”RECORD”,”HDD”,”BASIC”□“ADVANCE”,and“Exit”.



Remark: You must after pressing “APPLY”to make the setting for submenu valid.It will no use when exit directly.This DVR have a special feature is: when you move the mouse to everwhere, there will have the explanation information showed autoly.

3.4.3 RECORD SEARCH

Move the cursor to □RECORD SEARCH□□Icon highlighted when selected□,press□Enter□to enter into the setting interface.

RECORD FILE: You can adjust the checking date and time,press□Enter□ input the number directly to adjust the year,month,date.After finishing the time setting,move the cursor to “SEARCH” and press”APPLY”,can see the recording status of this date.As follow:

Intruction:

1. MONTH: It will show all the recording status in this month. Green means normal recording,

Red means alarm recording, Grounding means no recording. Click any date in this frame can search the recording status of that day,the searching result will be showed in the below date frame.

2. DATE: It will show all the recording status in this day, you can playback the record file in this period via click the corresponding period.

PLYBACK: You can press □Enter□ input number directly to setup playback time.After setting,move the cursor to “PLAYBACK”, and then press”APLLY”to enter into video playback of that time.Also you can select any period of time in the video status frame after searching,press”APLLY”to enter into the video playback of this period.

FILE LIST: Enter into the video file list interface of the selected date.

LOG SEARCH: Enter into the log seaching interface.

EXIT: Exit”video search” to back to the previous menu.

1. FILE LIST

Setup the searching date, after pressing “SERACH”,move the cursor to “FILE LIST” and press”APPLY”to enter into the video file list of this date.

CHANNEL: There is 1,2,3,4 and all channel, totally 5 options. Press □Enter□to select.

TYPE: There are all,normal and alarm,totally 3 options.Press□Enter□to select.

Instruction

1. □FILE LIST□□“CHANNEL”is the recording file which belong to which channel, “SIZE” is display the size of this file□Unit□MB□□“TYPE” is display the type of recording file□there are two types: normal and alarm□press“BACKUP”button can export the selected files to USB storage□

2. After moving the cursor up and down and select the files, and press□APPLY□to enter into playback interface□If the all channels have recording files, it will playback all windows at the same time□

3. If setup as “on” in the□RECORD TIME□in □BASIC SETUP□□it will show the date/time when playback record file□If setup as “off”it will not display time□

4. When playback□can press□SLOW□to play slowly□press□FORWARD□□□REVERSE□to speed□ reverse play□also can press□PAUSE/STEP□to pause and frame by frame play□Press□Exit□to exit from playback and return to the former menu□

5. When finished playback files, it will return to the file list interface.

2. BACKUP

You can use USB for backup□should insert USB device into the USB2.0 port before backup files. And it is support USB OTG.

You can select the recording file by direction keys , and press□Enter□means selected OK □There is a "√" at the end of the selected recording files□and press □Enter□again the "√" will disappear that means cancel the select, we can start export the recording files after selecting, and press□BACKUP□to start to backup, as follow:

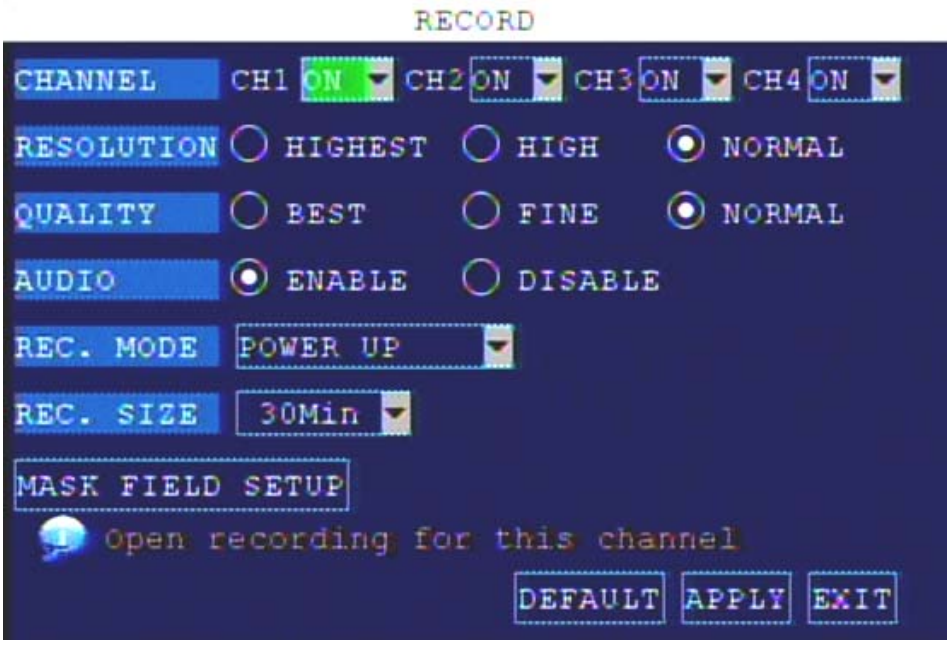
Instruction□

1 When the space in backup device less than recording file, the system will prompt "Space no enough".

2 You can move USB device directly when backup finished□

3.4.4 RECORD SETUP

Move the cursor to □RECORD□□Icon highlighted when selected□,press□Enter□to enter into the setting interface. Press□Confirm□ and enter into the setup interface, and you can use direction keys and cursor to change the options.



CHANNEL ON: Means the channel enable for recording.

RESOLUTION Setup resolution and code rate for recording, there are HIGEST, HIGH, NORMAL three options, corresponding to D1□HD1□CIF resolution.

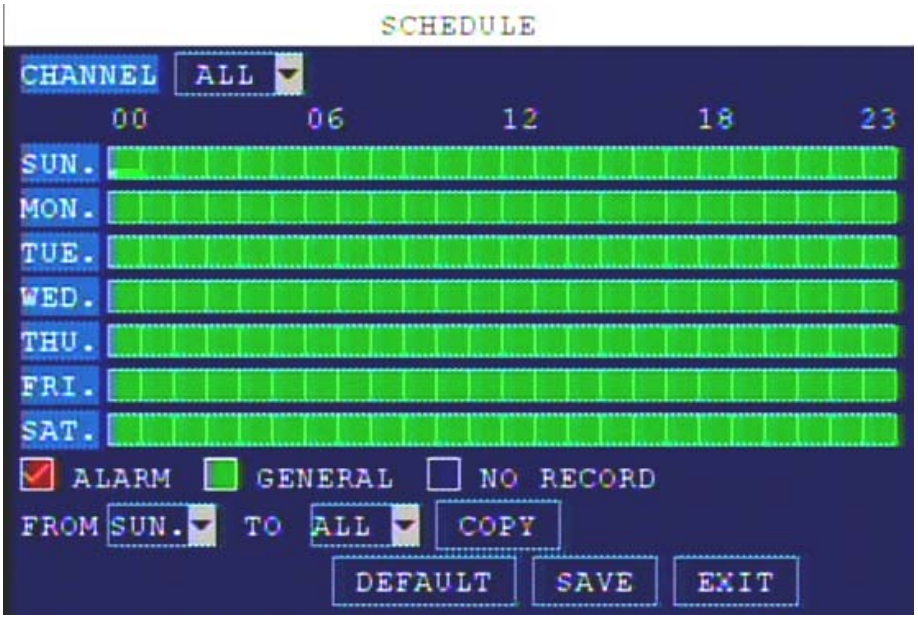
QUALITY There are BEST, FINE ANDNORMAL three option, corresponding HIGHEST, HINGAND NORMAL data stream standard

AUDIO ON: Means enable the audio recording for all channels, OFF: Means disable audio recording

REC.MODE

POWER UP: Means the device will start recording when it startup.

TIME: Recording as the schedule, you can setup the schedule as you want as follow.



CHANNEL□You can select all channel or just one channel□blue means has selected□

WEEKLY：You can select all everyday, weekend, workday or each day(blue means has selected)

DAILY：There are ALARM, NORMAL, NO REC three modes, if you select this, that means all the day will record as this mode, and if you don't want some period to record, you can cancel it via：Enter： button, grounding means don't record, different color means different record mode: Red means alarm record, green means normal record, grounding means no record.

RECORD SIZE：There are 15min, 30min, 45min, 60min four options, that means it will pack as the mode you selected

Scroll to **APPLY** and press **ENTER** to save the new settings.

3.4.5 HDD MANAGE

Move the cursor to ：HDD：：Icon highlighted when selected：,press：Enter：to enter into the setting interface, and you can use direction keys and cursor to change the options.

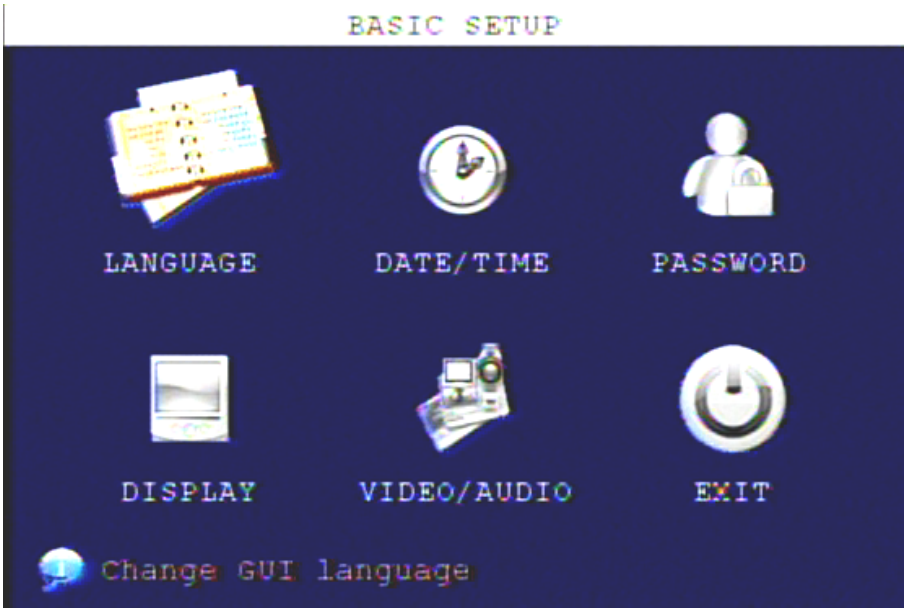
HDD STATUS There are three status available, normal, un-format, No HDD. If HDD can not run normally：including unformat and no HDD：, there is a ：H：display on video live view.

OVERWRITE ENABLE: means when HDD space less than 4G, it will delete HDD earliest recording file, and it will stop deleting when the space is 10G; DISABLE：means when HDD space less than 500M it will stop recording, and an prompt will display in live view "please shutdown and replace HDD"

FORMAT Move cursor there to select device and press：APLLY： to start format

3.4.6 BASIC SETUP

Move cursor to select "BASIC SETUP" (The big icon means select ok)and press：ENTER：to enter into the system language setup interface.



Basic setup includes system language, time/date, security, display, video/audio and exit six options.

3.4.6.1 SYSTEM LANGUAGE SETUP

Move cursor to select “system language” (The big icon means select ok)and press□ENTER□ to enter into the system language setup interface.

System language have Chinese and English two options, you can setup the language you want in here.

Remark: The device will restart when you setup system language success.

3.4.6.2 DATA/TIME SETUP

Move cursor to select “date/time” (The big icon means select ok)and press□ENTER□to enter into the date/time setup interface.

DATE: Setup system date via numeric key.

DATE FORMAT: Press ENTER to switch between the date patterns, there are YY-MM-DD and MM/DD/YY two options.

TIME: Setup system time via numeric key.

TIME FORMAT: Press ENTER to switch between the date patterns, there are 12 HOURS and 24 HOURS two options.

Remark: You must move the cursor to the □MODIFY TIME AND DATE□ and press □APPLY□ to save it, otherwise it won't save the modify if you exit this interface.

DST: haven't finished yet.

3.4.6.3 PASSWORD

Move the cursor to□PASSWORD□□Icon highlighted when selected□, press□Enter□to enter into the setting interface.

DEVICE ID Press number key to setup the unite ID

PASSWORD Press APPLY to start or close user password. If it is “ENABLE”, you must input password when log in, otherwise, you can enter into main manu directly.

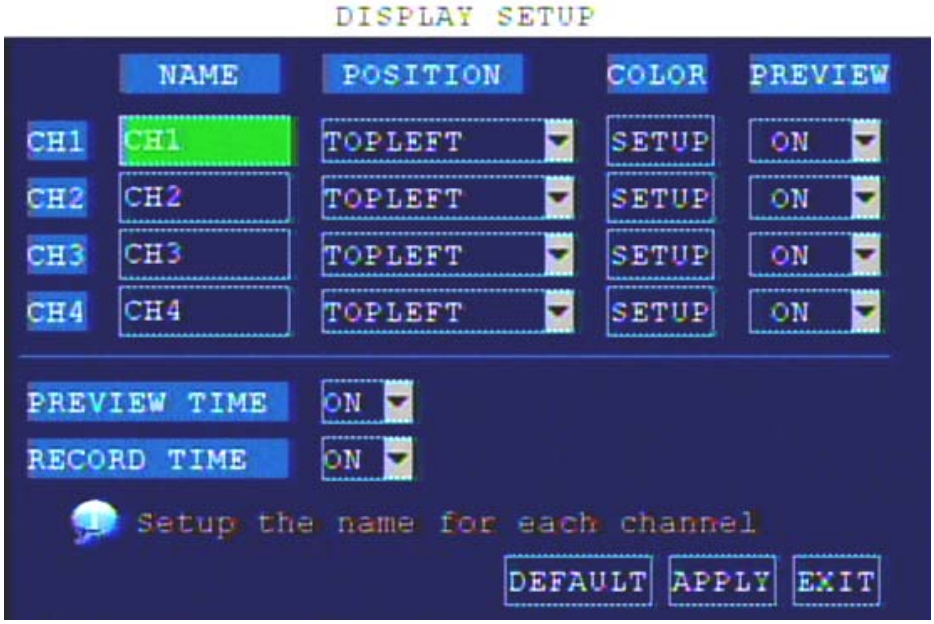
USER PASSWORD Press numbe keys to setup user password.

ADMIN PASSWORD Press number keys to setup admin password.

NETWORK PW CLEAN select and apply will initialize the IE browser password .

3.4.6.4 DISPLAY SETUP

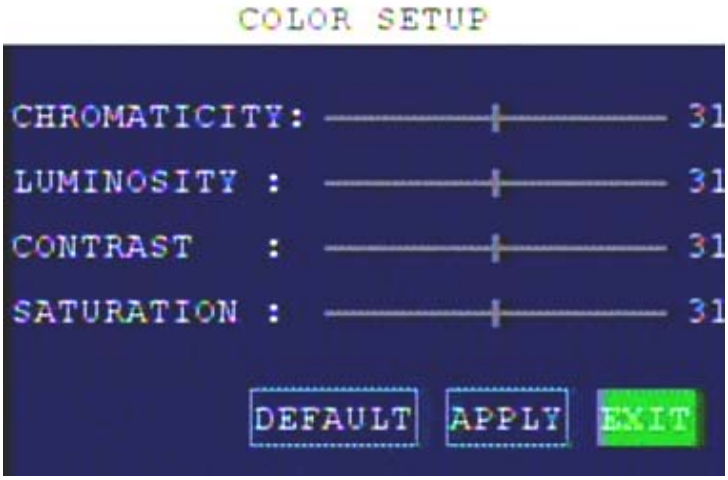
Move the cursor to DISPLAY SETUP Icon highlighted when selected, press Enter to enter into the setting interface.



NAME: press Enter to enter into the setting interface.

POSITION: press Enter to switch name location,there are 5 options:bottom left, top left, bottom right, top right and OFF.

COLOR press Enter to enter into setting interface, as following:



Press□Enter□or directly drag the cursor to set colors,including chroma,brightness, contrast and saturation, press□APPLY□to save the parameters.

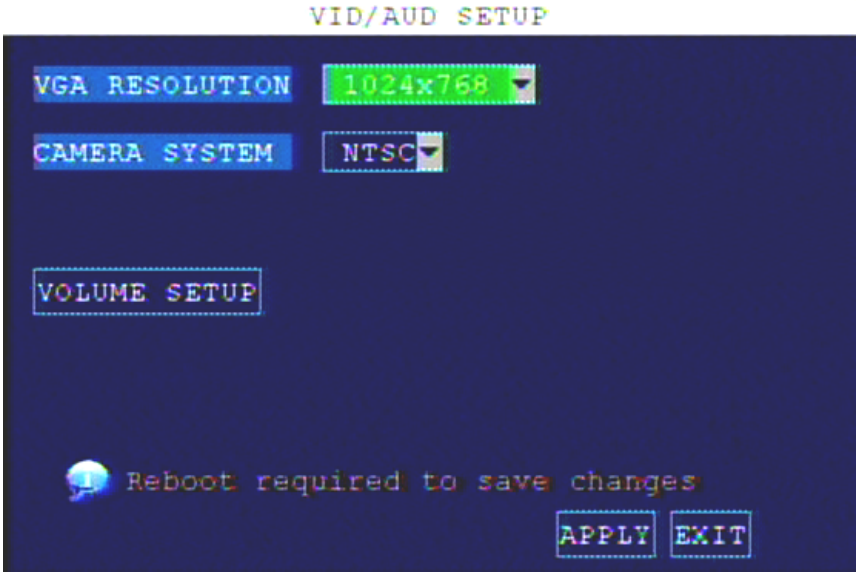
PREVIEW ON: Means the channel is allowed to view the live mode, OFF means not.

PREVIEW TIME: ON: Means insert clock in live view, OFF means not.

RECORD TIME □ON: Means insert clock in record file, OFF means not.

3.4.6.5 VIDOE/AUDIO SETUP

Move the cursor to□VIDEO/AUDIO SETUP□□Icon highlighted when selected□□press□Enter□ to enter into setting interface.



VGA RESOLUTION press□Enter□key to setup the VGA resolution, there are 1024*768□800*600 and 600*480 three options.

CAMERA SYSTEM: press□Enter□to switch camera system, has PAL and NTSC two options

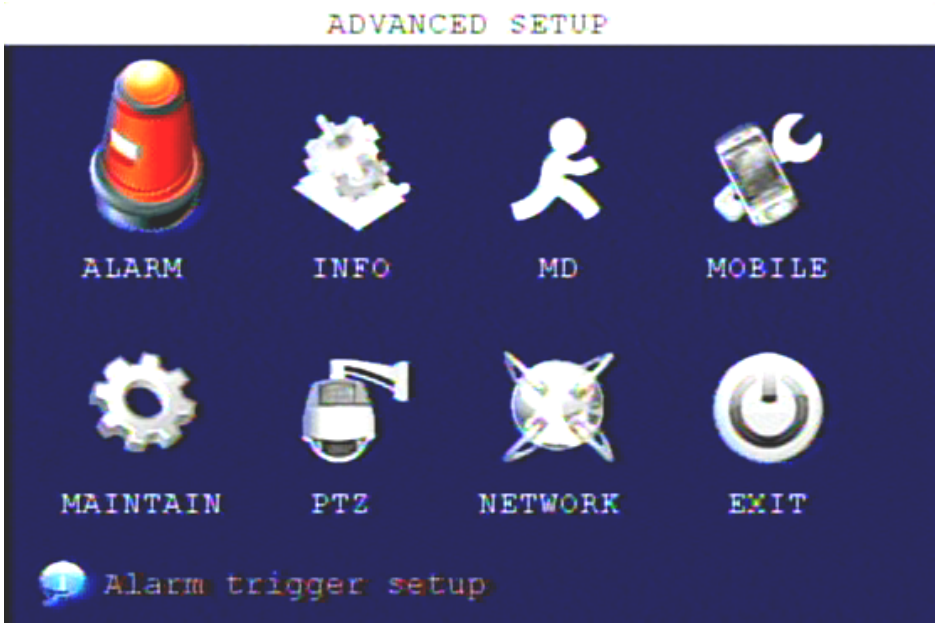
VOLUME SETUP move cursor to□VOLUME SETUP□□press□Enter□to enter into volume setup interface, press number keys or directly drag the cursor to adjust volume.

3.4.6.6 EXIT

Move the cursor to□EXIT□□Icon highlighted when selected□□press□Enter□to back to main menu.

3.4.7 ADVANCE SETUP

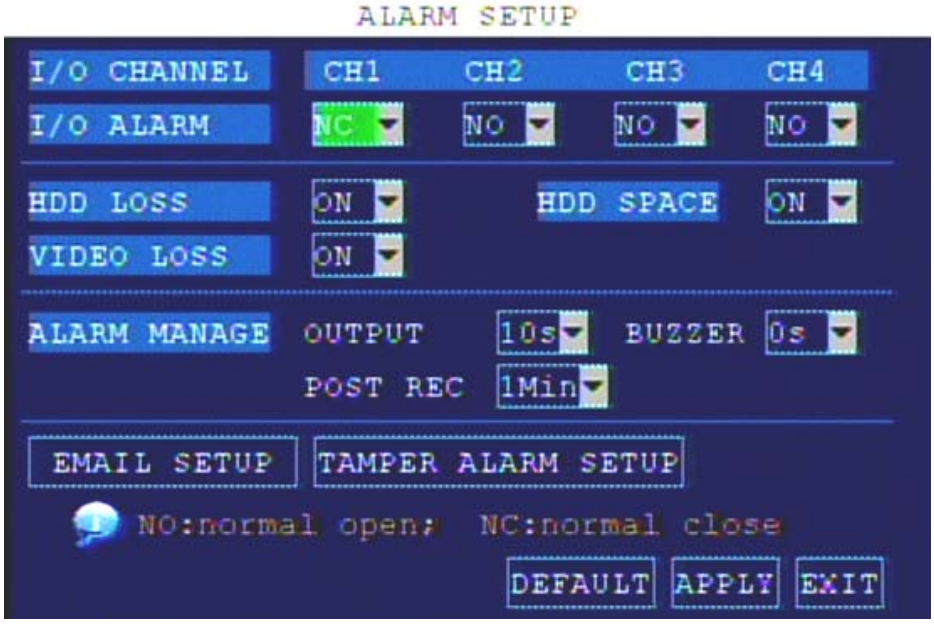
Move the cursor to□ADVANCE SETUP□□Icon highlighted when selected□□press□Enter□to enter into setting interface.



Advanced Features include Alarm settings, system information, Motion detection, mobile phone monitoring, system maintenance, PTZ and network setting.

3.4.7.1 ALARM SETUP

Move the cursor to□ALARM SETUP□□Icon highlighted when selected□□press□Enter□to enter into setting interface.



I/O CHANNEL Each channel corresponds an I/O status, that is, when an alarm triggered, it will activate the corresponding channel to start alarm recording.

N.O□indicate I / O input level from high to low effective

N.C□indicate I / O input level from low to high effective

HDD LOSS ON means it will trigger a alarm if there is no HDD, and it will display an □H□ On the bottom left of channel 1 in the live view

HDD SPACE ON□If the space less than 500M, there is a remark in live view□No enough space, please change HDD after shutdown.

VIDEO LOSS ON□when one channel has no video input, it will display “video loss”in live view.

ALARM MANAGE There are alarm output, buzzer and post REC three items.

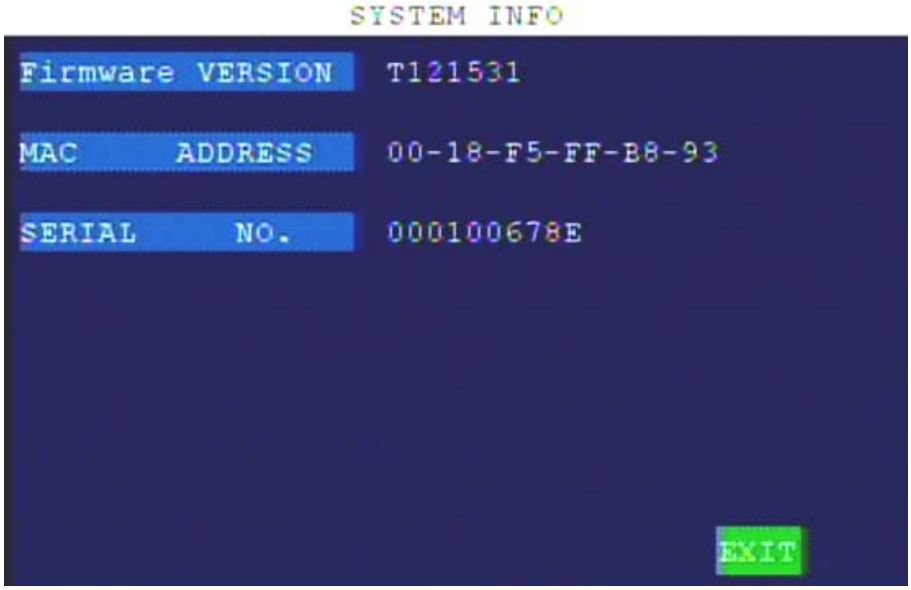
OUTPUT□when an alarm triggered, the alarm output time will be:

0 second□10 seconds,20 seconds,40 seconds and 60 seconds

- BUZZER□buzzer calling time setup when alarm triggered: 0 second,10 seconds,20 seconds,40 seconds and 60 seconds
- POST REC.□post recording time setup: 30 seconds,1 minute,2 minutes and 5 minutes
- PRE REC□Pre-recording time is fixed as10 seconds.

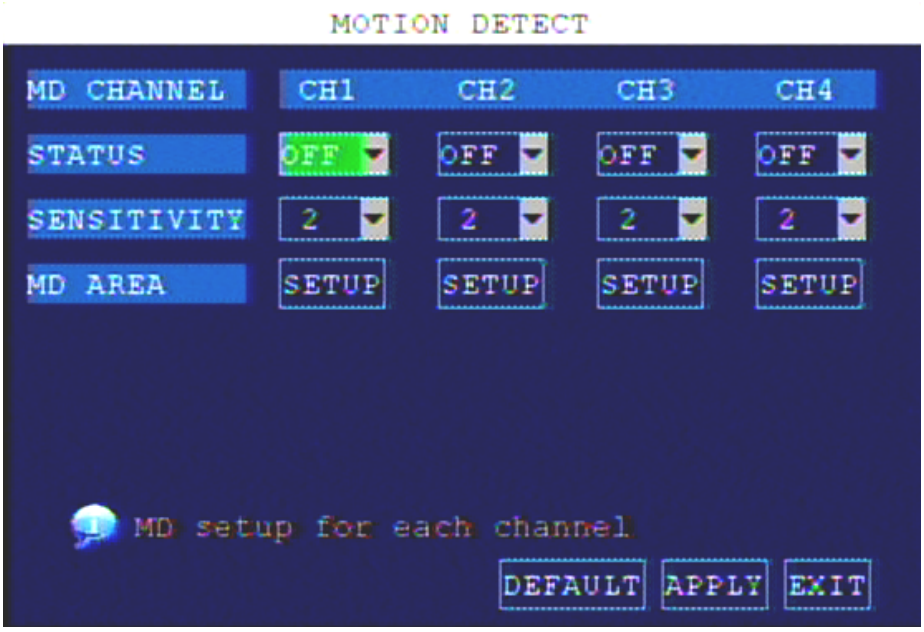
3.4.7.2 SYSTEM INFO

Move the cursor to□SYSTEM INFO□□Icon highlighted when selected□□press□Enter□to enter into setting interface, at this interface mainly display system hardware features and firmware version, include : device type, firmware version, MAC address□serial number.



3.4.7.3 MOTION DETECT

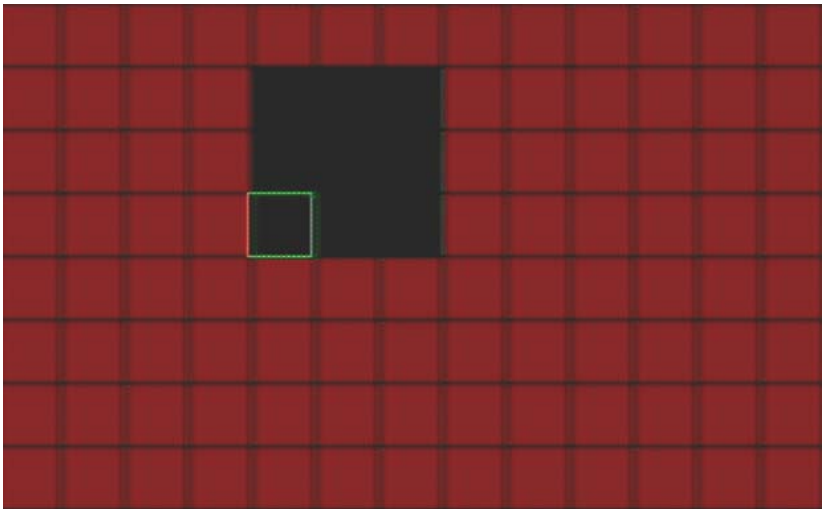
Move the cursor to□MOTION DETECT□□Icon highlighted when selected□□press□Enter□to enter into setting interface.



STATUS Each channel has corresponding channel switch, press Enter to turn on or turn off the motion detection for each channel..

SNESITIVITY each channel has corresponding sensitivity setting,including four standards high,higher,medium and low, press Enter key to switch

MD AREA each channel has corresponding regional motion detecting setting,move the cursor to corresponding setting press Enter to enter regional setting interface, red area means it have activated motion detection, transparent block means it have not activated motion detection.



Move the direction key on romote control to make cursor move in the small pane, green frame means the cursor has moved to this pane, press Enter to select or cancel motion detection of this small pane, when setup finished, press exit to back to MD setup interface, it will save automaticly.

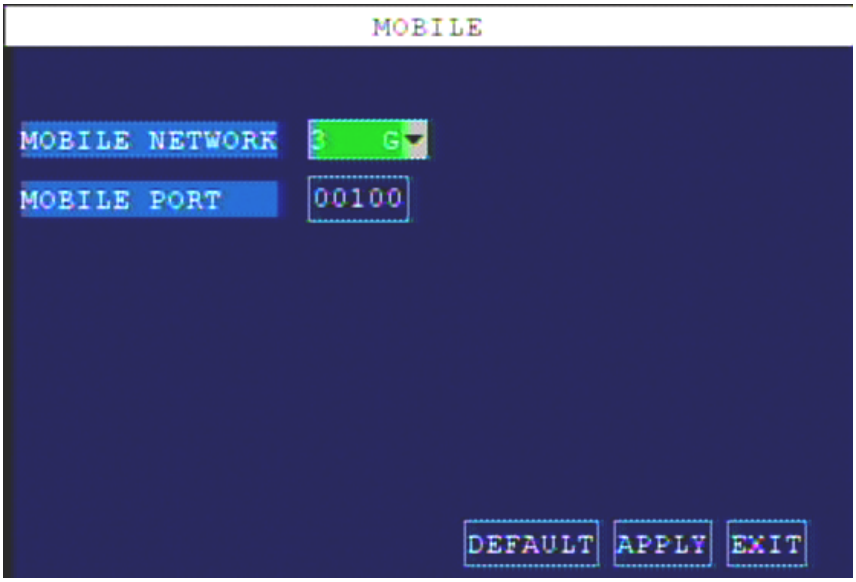
Remark:

IR Operation: press [Menu] key to select or cance all the screen.

Mouse operation: click left and drag the frame to setup the region for motion detection.

3.4.7.4 MOBILE

Move the cursor to□MOBLE□□Icon highlighted when selected□□press□Enter□to enter into setting interface.



MOBLE NETWORK: Select different mobile network from the options of 3G, 2.5G and 2.75G, and press [Enter] to switch different network.

3G□CDMA1X/EV-DO,WCDMA/HSPA;

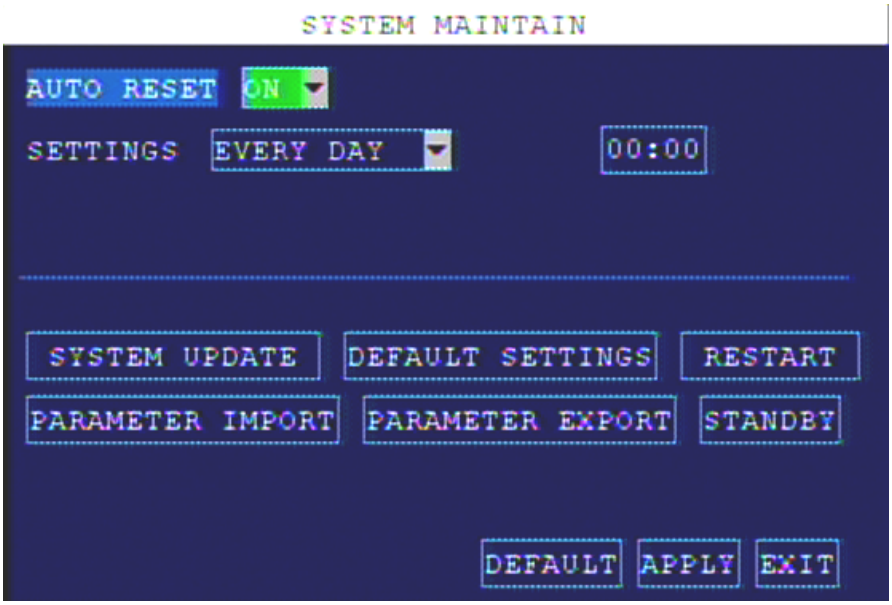
2.5G:GPRS

2.75G:CDMA,EDGE

MOBLE PORT□must different form local network port,(000000-999999)

3.4.7.5 SYSTEM MAINTAIN

Move the cursor to □SYSTEM MAINTAIN□(Frame turns red means selected), and press □Enter□ to enter into system maintain setup interface.



AUTO RESET: When switch is on, you can setup the time for device to restart.

SYSTEM UPDATE: Copy the update file to the root directory of the thumb driver, and insert it into USB 1.0, then press [Enter] to upgrade the firmware, and it will display the process of the system upgrading, as following:

DEFAULT SETTINGS: Restore all the settings as the factory setting.

3.4.7.6 PTZ SETUP

Move the cursor to PTZ SETUP Icon highlighted when selected press Enter to enter into setting interface, you can setup the parameters for each channel separately.

CHANNEL: The channel of PTZ connected.

PROTOCOL: select the protocol of different PTZ, there are two protocols to switch, and the default is Pelco-D

BAUD RATE: select the different baud rate for your PTZ, there are 1200, 2400, 4800, and 9600

DATA BIT: there are 5,6,7,8 options to select, default setting is 8.

STOP BIT: there are 1and 2 to select, the default setting is 1.

VERIFY: there are None/Odd/Even/Mark/Space to select, the default setting is none.

ADDRESS: Fill the code of respective PTZ

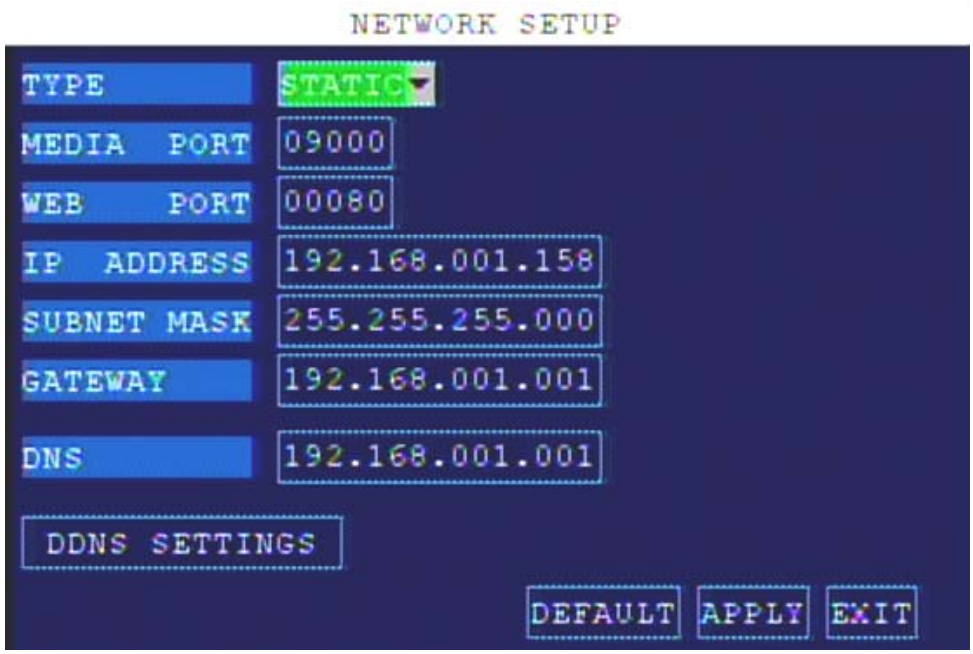
3.4.7.7 NETWORK SETUP

Move the cursor to [NETWORK SETUP] (Icon thighlitend when selected), and press □Enter□ to enter into setting interface .

TYPE: There are PPPOE, DHCP & Static three options.

- **STATIC**

Select [Static] in the type, and press [Enter] to enter into the interface as followings



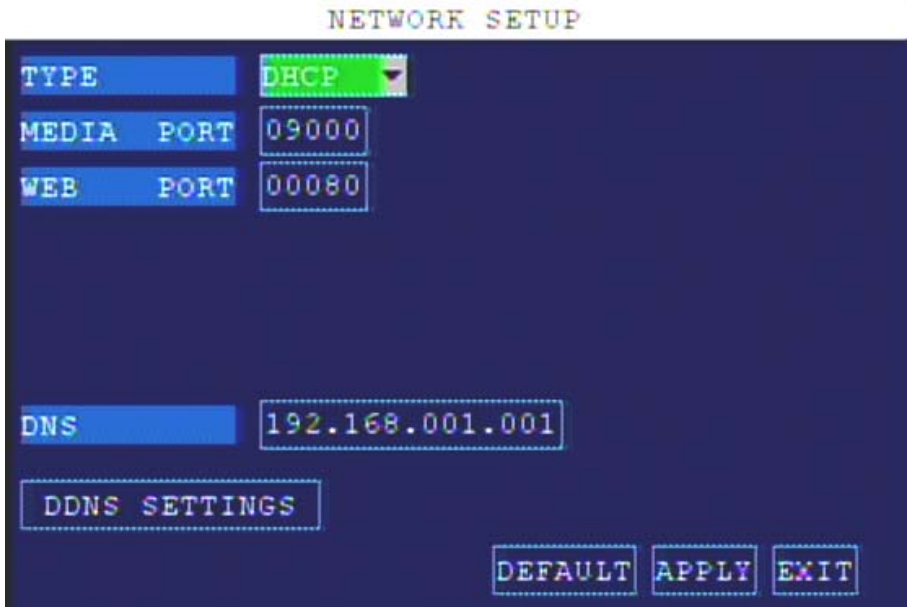
MEDIA PORT transfers video data between client and device.

WEB PORT: setup the port of IE browser via HTTP.

IP ADDRESS: setup the IP address, and press [Enter] number keys to change the value.
NETMASK: press [Enter], number keys to change the value.
GATEWAY: press [Enter], number keys to change the value.

- **DHCP**

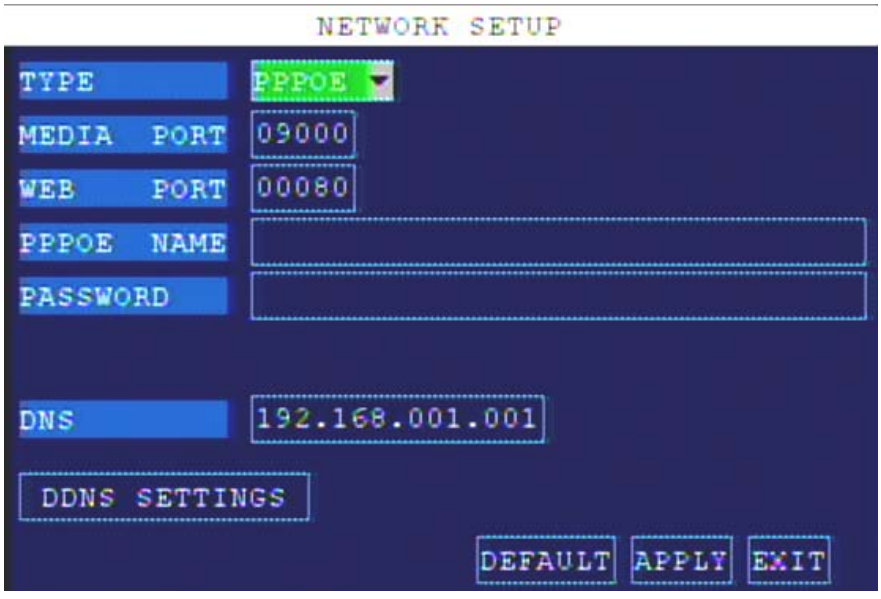
Select the DHCP, and enter into the interface as followings.



MEDIA PORT transfers video data between client and device.
WEB PORT: setup the port of IE browser via HTTP.
PPPOE username and password: fill the username and password of the internet service offer, and apply it and reboot the system. After rebooting, the device will save it and set the PPPOE as default network type. If succeed, the IP address will be automatically config as dynamic IP of WAN.

- **PPPOE**

Select the PPPOE, and enter the interface as followings



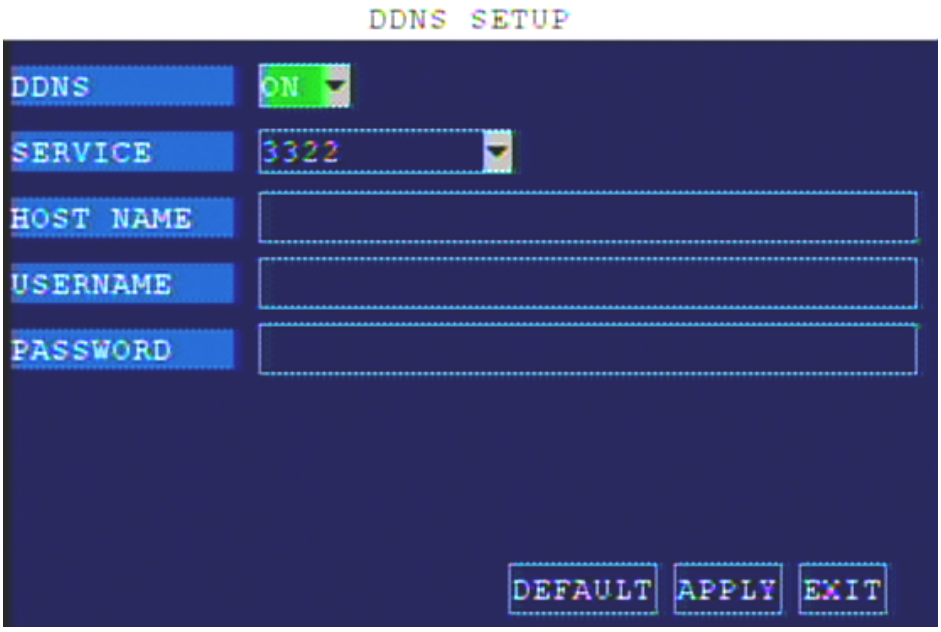
MEDIA PORT transfers video data between client and device.

WEB PORT: setup the port of IE browser via HTTP.

PPPOE USERNAME AND PASSWORD: fill the username and password of the internet service offer, and apply it and reboot the system. After rebooting, the device will save it and set the PPPOE as default network type. If succeed, the IP address will be automatically config as dynamic IP of WAN.

DNS: press [Enter], number keys to change the value.

- **DDNS:** move the cursor to it and press [Enter] to enter into the interface as followings.



DDNS: There are [ON/OFF], and if there is a DDNS service, please setup it as ON.

SERVICE: There are 3 services to select, 3322, dyndns, perfecteyes.

HOST NAME: Input the name of the host server.

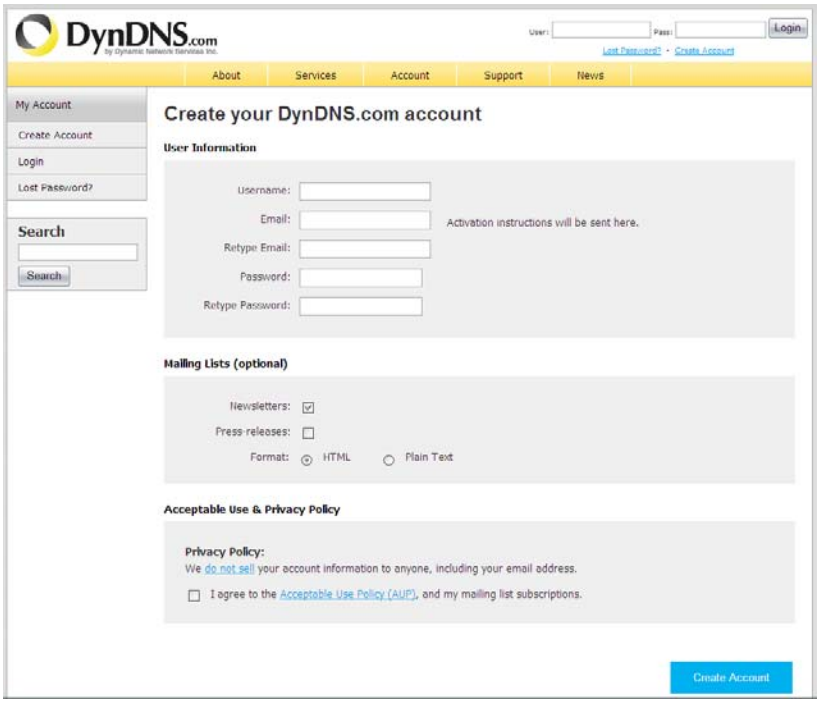
USERNAME: Input in the name of the user.

PASSWORD: Input the password.

- **Application of DDNS**

You should Register a host name, user name and password from DDNS manufacture, now we are take dyndns for example, to show you how to register.

Please type in the IE address as follow: to Register a new user.
(https://www.dyndns.com/account/create.html).



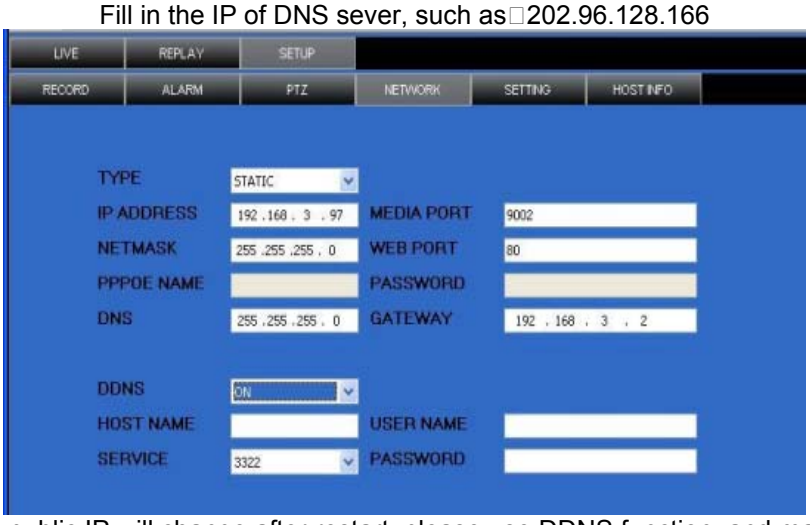
1) Fill out all the information then submit.
2) Minutes later, you will get a mail from dyndns, which include the primary password for the user you just register.
3) Then please login http://www.dyndns.com/ with the new user and password, click “domain name management” to enter into the operating interface, then select “new” under the Dynamic DDNS.
4) Create a mane you need, then press apply; now you have Registered a host name success.

An example:

Network: ADSL, only one DVR need to connect to internet.

1) Make sure the DVR has connected to ADSL modem success; the LED is flashing means success.
2) Network type: PPPoE
3) Input media port and web port, default value is 9000 and 0080
4) Type in the PPPoE user name and password from internet manufacture.

Fill in the IP of DNS sever, such as□202.96.128.166



5) Since the public IP will change after restart, please use DDNS function, and mapping the

public IP to a fixed domain name, as the picture.

6) Save and restart device, it will connect to internet via PPPoE mode automatically, if success, it will got a dynamic public IP.
7) ping xxx.xxx.xxx.xxx(The public IP of DVR) to check whether the network is ok, and ping xxx.xxx.xxx□the domain name of DVR□to check whether the DDNS settings is ok.
8) Open IE browser, and type in the domain name of DDNS (if WEB port is not 80, you should add a port, such as:http://members.dydns.com:8088)

Please download the IE control, then enter into login interface, the default setting has no password.

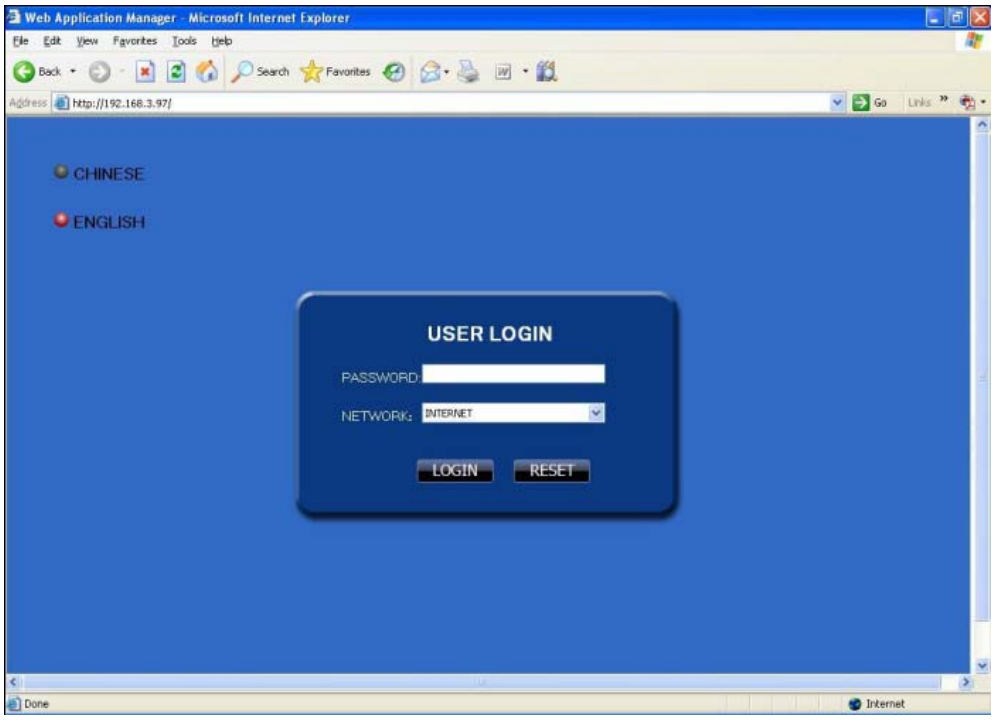
4 IE OPERATION

4.1 FEATURE

Through the IE browser of OS and install the software, you are able to do the network operation remotely, which is much more convenient. DVR support C/S, B/S, and visit in LAN and WAN, also support IP and domain name visiting.

4.2 USER LOGIN

Input the DVR local IP in IE browser, when changed the port, you should add the port number after IP address, e.g. if DVR local IP is 192.168.3.97 (LAN) and the port is 8088, you should input http:// 192.168.3.97:8088. The default port is 8088, and directly input http:// 192.168.3.97 to access the login interface as following,



Select English interface in the top left side. Input username and password to enter into the system. The username and passport is same as the ones set in DVR.

PASSWORD: Administrator has all authorities, operator has limited authorities who they can only watch, playback, please change the unit No. and default password in time for system security.

NETWORK: LAN/WAN

Remark: If you connect the device in WAN, the IP should be a public IP.

4.3 OPERATION INTERFACE

There are Liveview, Playback and Setup options in the main interface, please press them to access it.

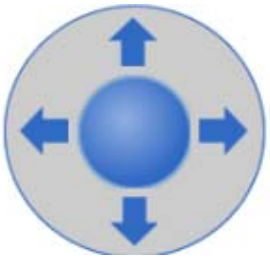
4.3.1 LIVE

Click

to enter into the interface as followings

4.3.2 PTZ CONTROL

Change the focus, preset aperture to control the PTZ.

Click  to up/down/left/right control movement of the PTZ. When hold on the one direction key, the PTZ will keep circling as that direction after user press the stop key in the center of the wheel.

4.3.3 ZOOM

Click

to zoom in and out.

Click

to focus

Click

to change the size of aperture

4.3.4 PTZ PRESET

PAN&TILE POS: Setup preset point.

You can control it via the below three buttons: SETTING HANSFE CLEAR

4.3.5 PLAY

Move cursor to the icons, it will highlighted when selected

Open all windows.

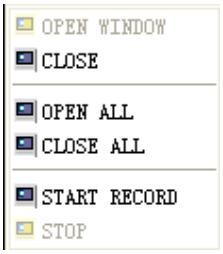
Capture picture, save in local disk, system save default route is C:/DVR

Quickly start all channels' recording video, here the left up corner of each channel have normal recording video symbol □ R □ , click icon to switch between singal screen/quad/nine/16 spllit.

Volumn adjust button

4.3.6 OTHER OPERATION

1. Select one channel at preview screen (the selected channel's frame will be change to RED), double click left key, enter to the selected channel single screen display.
2. Click one Chanel via left key at preview screen, then click right key, will occur window shortcut Menu, see below picture

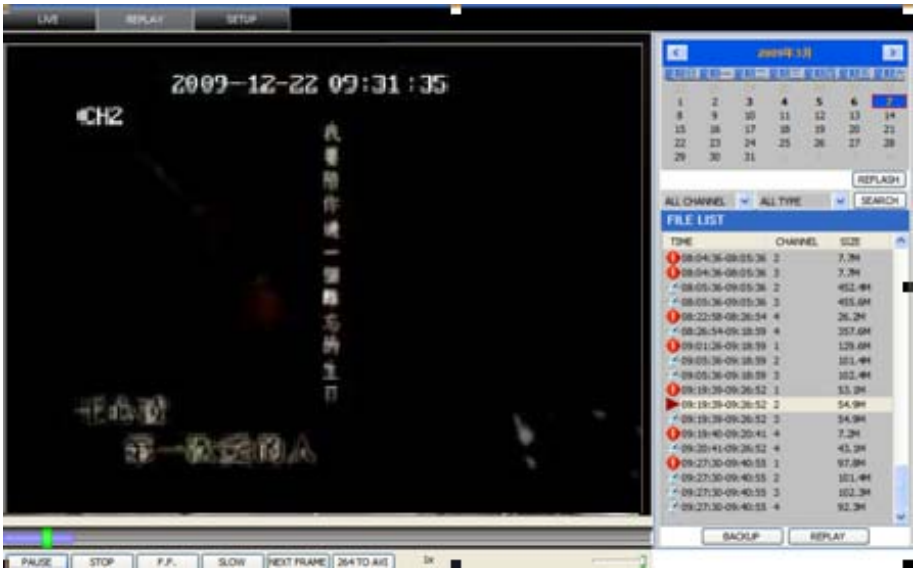


You can open, shut down and start this channel's record via shortcut menu.

3.Click right key at one live view screen, click" open all windows" or " close all windows", will quickly open/close all windows.

4.3.7 REPALY

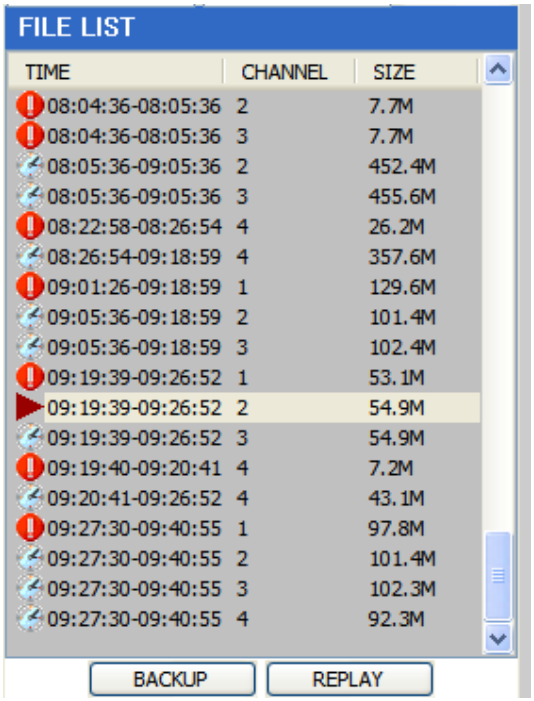
Click REPLAY to enter into playback interface.



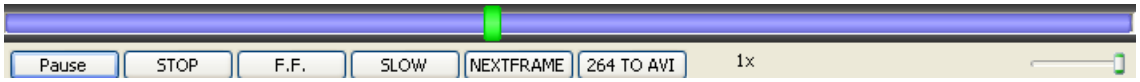
Click right up of calendar interface and , to setup the month for searching, click" refurbish", at the calendar interface will display the recording information of current month

The highlighted date means that day have recording video, RED FRAME means the date is system date, click the date will search that days' recording file list. For example, the above picture display 2008, Dec. 3rd,4th,5th,6th,8th,9th,10th,11th,12th,17th,18th have recording video, and system date is 18th, Dec, 2008, currently search date is 17th, Dec.

At the below of calendar select channel and type, click SEARCH, the result will display, as follow.



Double click one item of listed recording video, the recording video will playback, meanwhile the file icon will change to , and will occur the below picture play buttons:



The above purple progress bar shows download progress, green progress bar shows playback progress

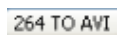
Switch between pause/play

Stop play

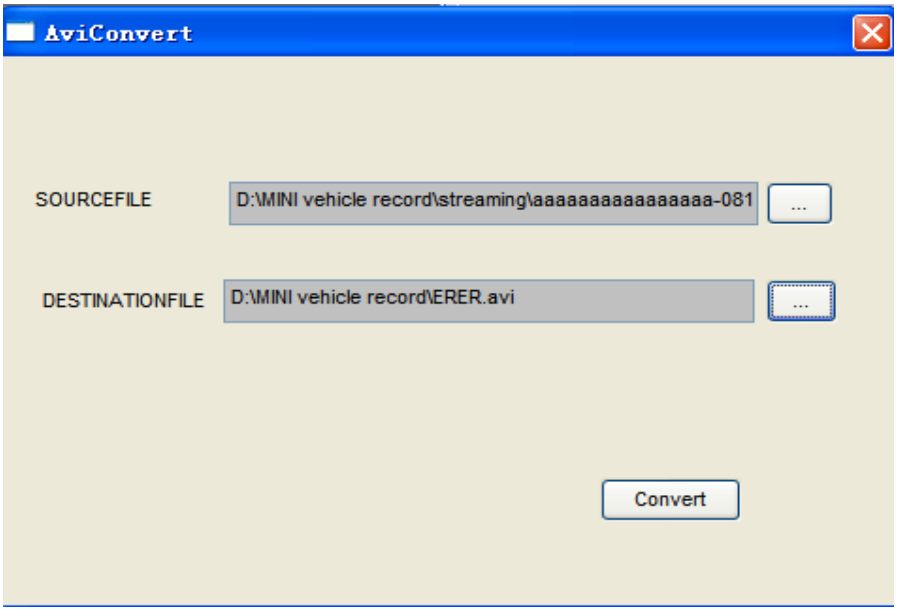
Fast play

Slow play

Pause at next frame



Convert H.264 file to H.avi file, click this button access into file convert setting interface, as follow.



SOURCE FILE: Click ... to setup the H.264 file to convert

DESTINATION FILE: Click ... to setup the directory for saving avi file

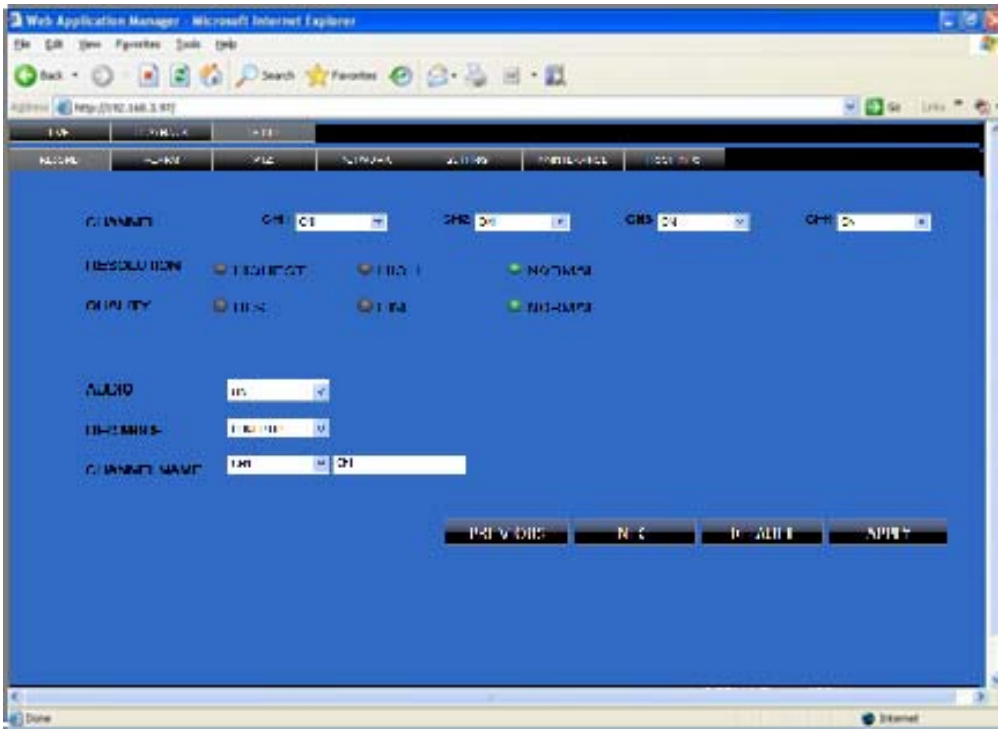
After setting, click Convert , file convert start, the convert progress bar (see below picture) will see the progress of convert.

4.3.8 SETUP

Click SETUP to enter into setup interface, this interface include record, alarm, PTZ, network, setting and system information six menus.

4.3.9 RECORD

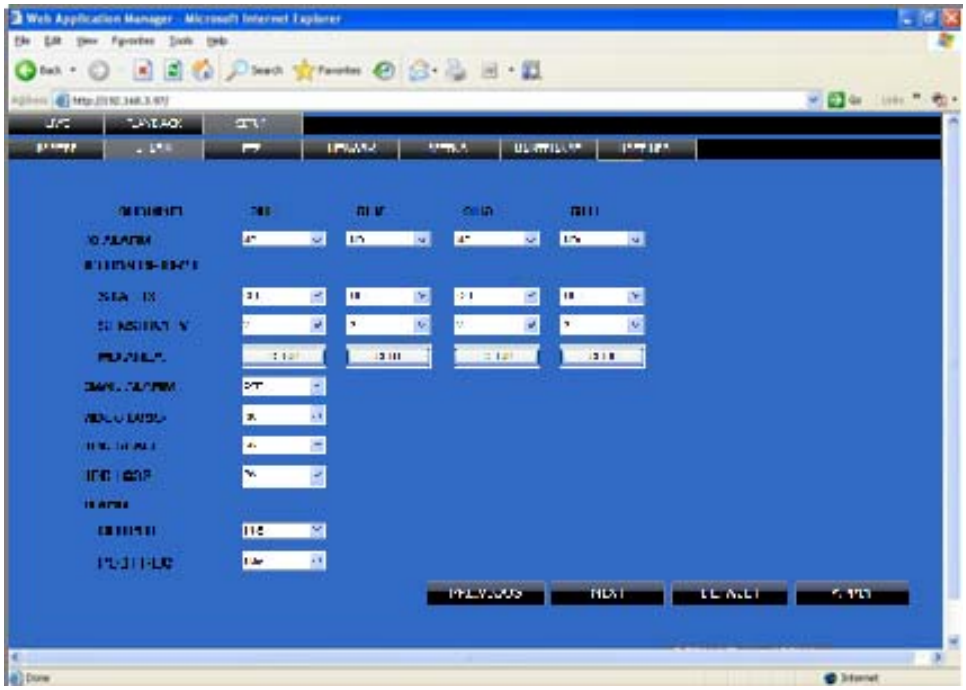
Click RECORD to enter into setup interface; you can check the parameter settings as in GUI of DVR.



4.3.10 ALARM

Click

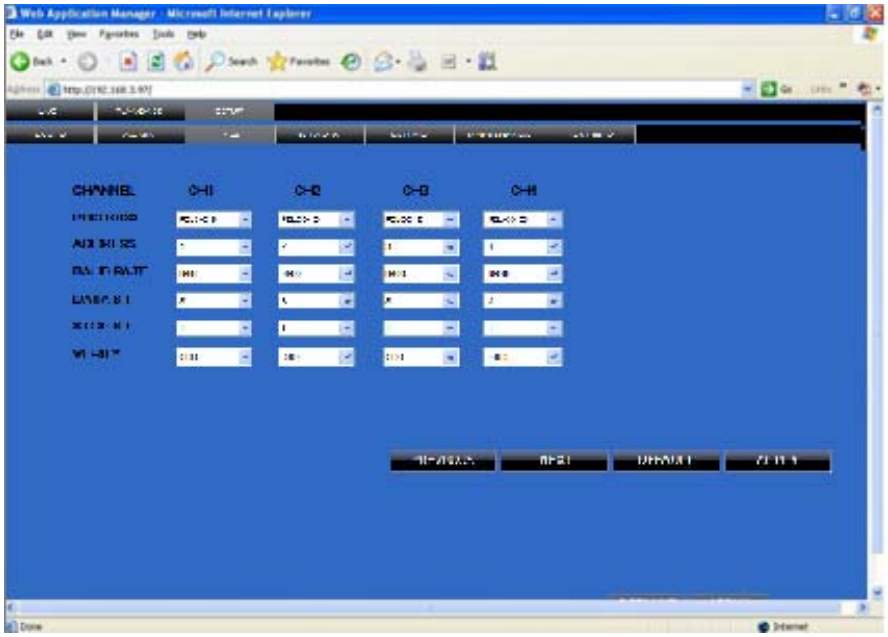
to enter into setup interface; you can check the parameter settings as in GUI of DVR.



4.3.11 PTZ

Click

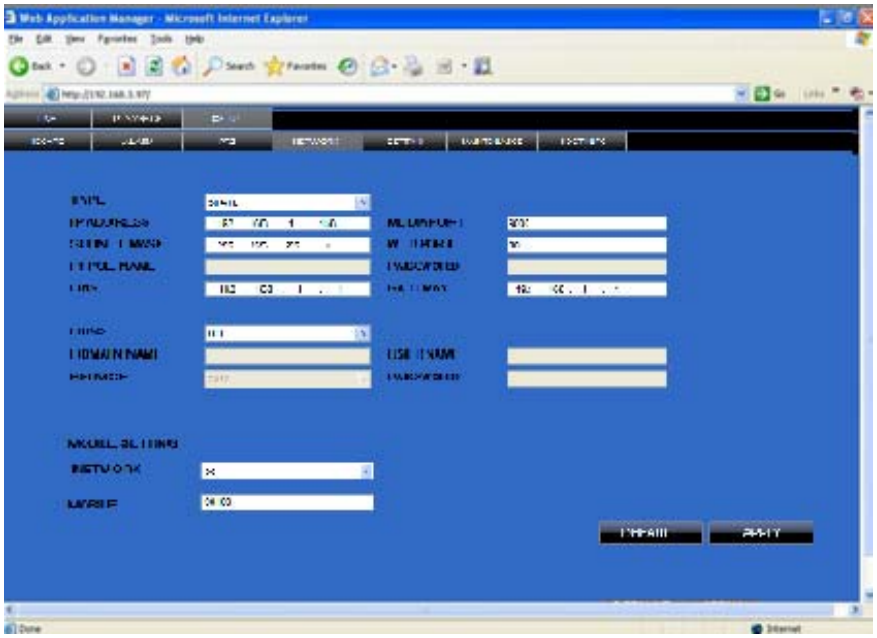
to enter into setup interface; you can check the parameter settings as in GUI of DVR.



4.3.12 NETWORK

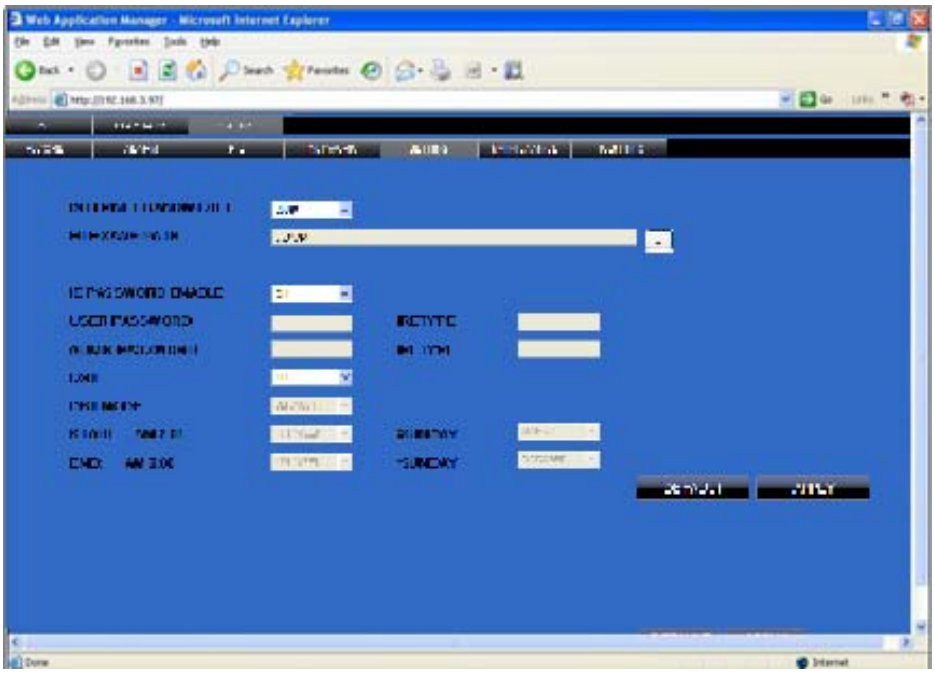
Click

to enter into setup interface; you can check the parameter settings as in GUI of DVR.



4.3.13 SETTING

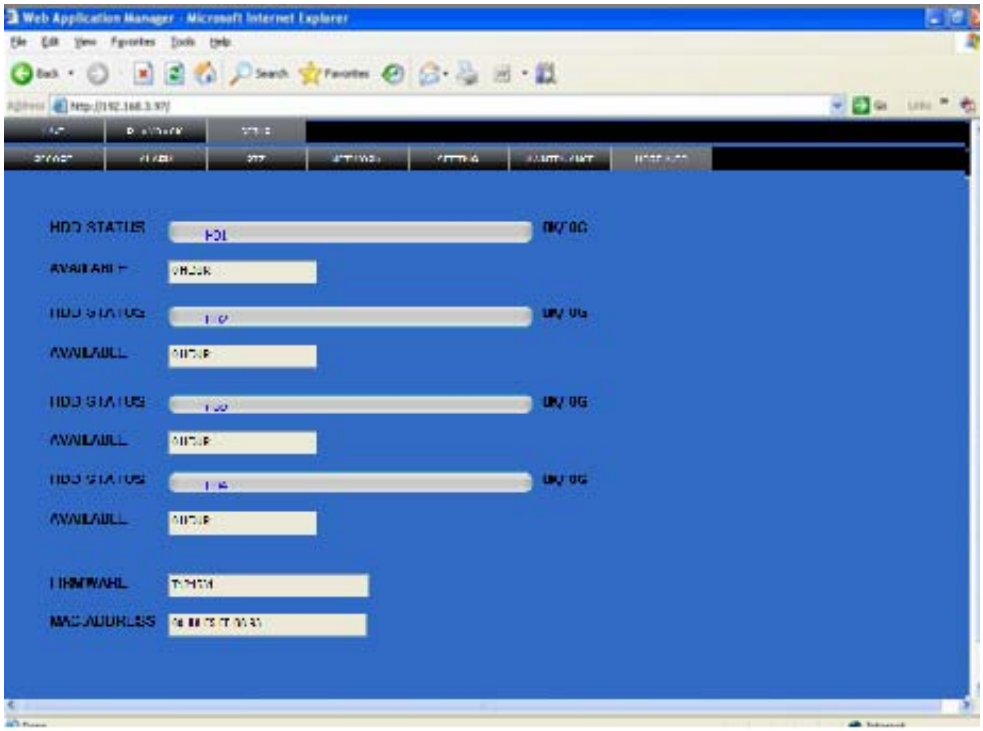
Click SETTING to enter into setup interface; you can check the parameter settings as in GUI of DVR.



BANDWIDTH: Set the amount of bandwidth in kbps (128k□192k□256k□384k□512k□1024k) that you want to allocate for traffic that matches internet□this bandwidth not include audio .
FILE SAVE PATH: capture picture and recording video save path.
IE login password and DST settings you can check as DVR setting.

4.3.14 HOST INFO

Click HOST INFO to enter into system information interface (see below picture), this interface shows HDD status, remain record time, firmware version, MAC Address, and all the information is fixed.

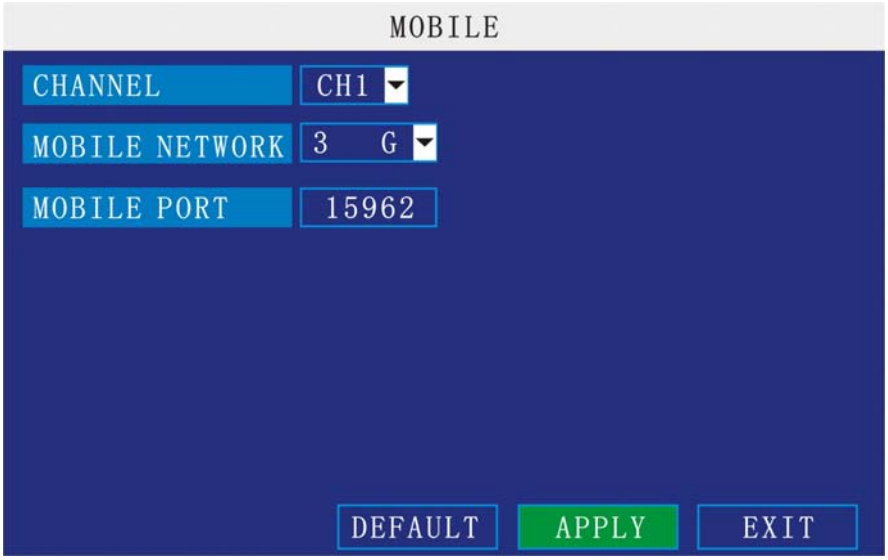


5 Instruction for mobile monitor

Remark: only the mobile phone with Windows Mobile and Symbian operating system can support the mobile phone monitor function.

5.1 DVR Setup

Please login MAIN MENU>>>>> ADVANCE>>>>>MOBILE, setup as follow:

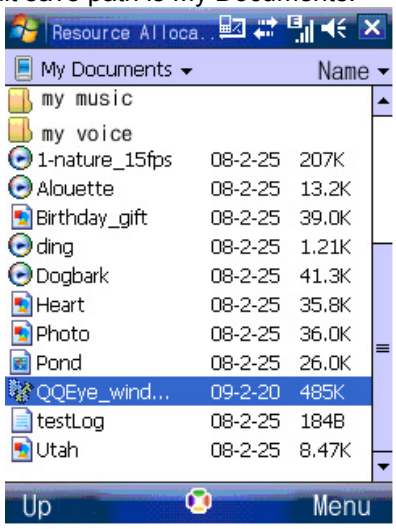


Channel: Please select the channel for wireless transmission.
Mobile Network: Please select the network your SIM card support.
Mobile port: this port should be open in the router; otherwise you can't see the live view in mobile phone.
Remark: this port can't be the same with any other port, and different DVR should have different sever port.

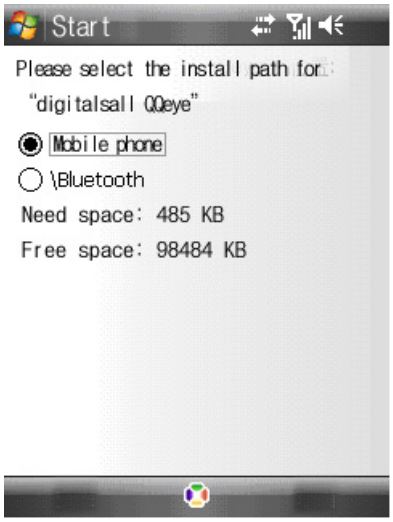
5.2 Mobile phone setup

5.2.1 Windows Mobile Operating system

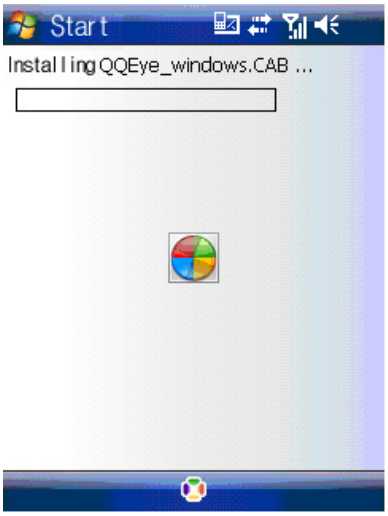
1 Program download
Please copy the installation program whose name is amplayersetup.CAB from the attached CD to your mobile phone, the default save path is My Documents.



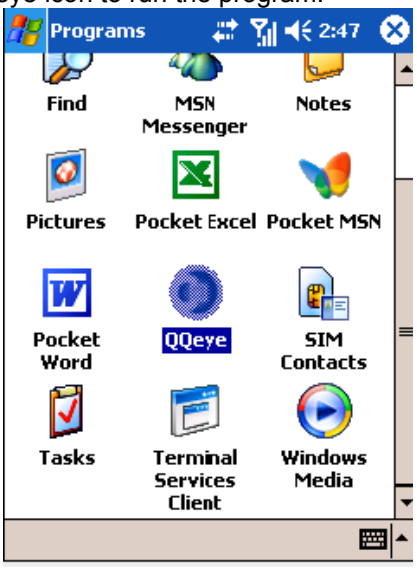
2 Click the program and start to install it, just select default path when it ask you to select install path.



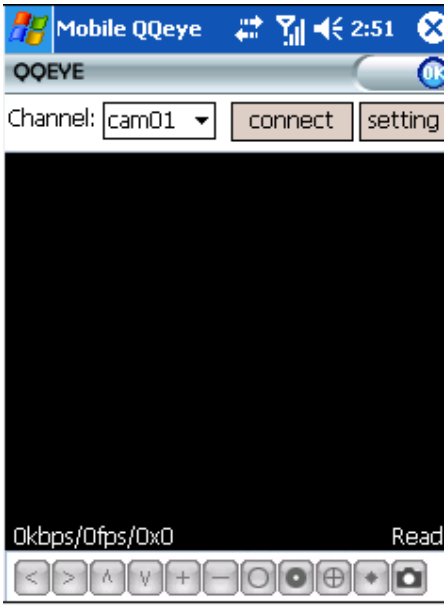
3 Click install button to start to install.



4 After installed, click the QQeye icon to run the program.



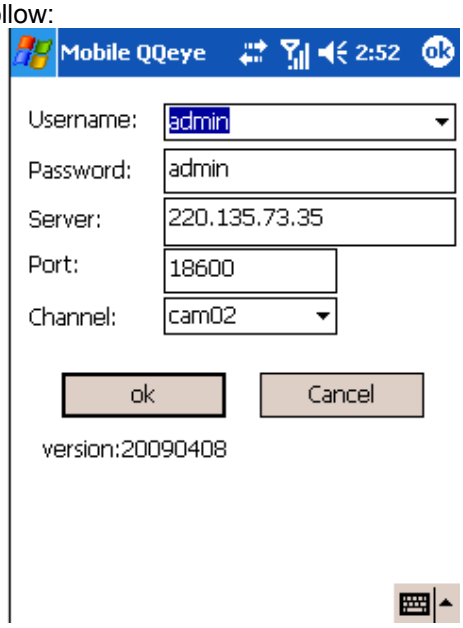
5 login the main interface as follow.



Channel: select the channel you want to monitor. When you select a channel, it will connect to DVR automatically.
Connect: press it to connect to DVR.
Setup: Press it to enter into the interface to config the parameters for mobile phone monitor.
Button definition □PTZ direction control□left□right□up□down□□;□area select□zoom in□zoom out□□;□focus□□□□□□;□aperture□□□□□□;□snapshot□.

Remark: Please make sure the parameters for PTZ in DVR is correct.
Snapshot default save path is: Program>>>QQeye>>>> photo

6 When you login for the first time, please setup the network parameters first, press setup to enter into the interface, as follow:



User name: can be blank.
Password: should be the same as IE.
Sever: the public IP or dynamoic domain name of DVR.
Sever port: this port is the mobile port you setup in DVR.

Channel: setup the default channel you want to check.
Please press OK after you finished setup.

7 Display mode
Normal/Full screen
Remark: Click screen can switch the display mode between normal and full screen.

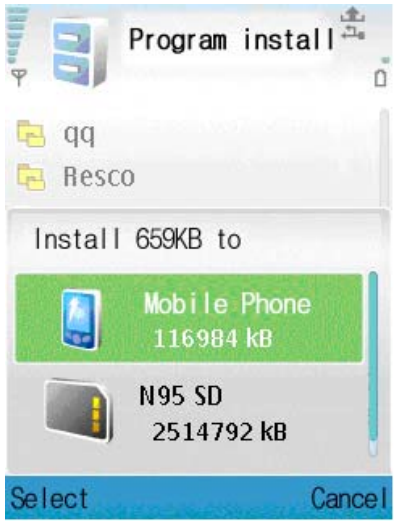
5.2.2 Symbian Operating system

1 Please copy the install program whose name is amplayersetup.CAB from the attached CD to your mobile phone, the default save path is memory card. As follow:

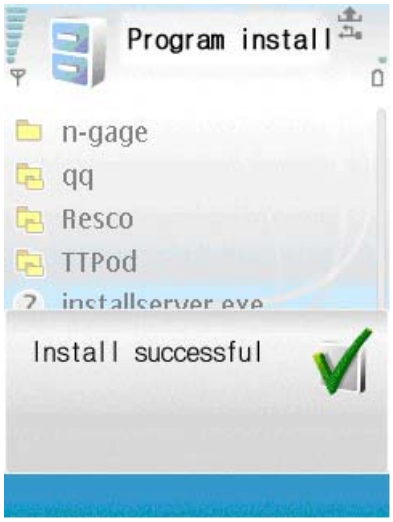
2 Click the program to install it.

3、You can select the install path you want as the follow picture .

4、Please select continue when you got the follow window, and make sure your mobile phone can access to internet.



5□you will got a message “install finished” after installed successful.



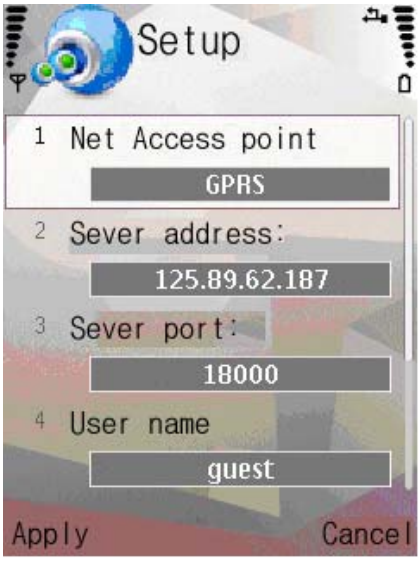
6□Please find the QQeye icon in Application and run it.

7□when you login, you will find the window as follow:

Button definition
CH1 CH2 PTZ □ up left zoom in + focus + aperture +
CH3 CH4 PTZ □down right zoom out – focus – aperture –
□Play/Pause□ □Full screen/Normal□ □Snapshot□ □Setup□ □Exit□

Remark: Snapshot default save path is: "C□\Data\Images\"

8 When you login for the first time, please setup the network parameters first, press □Setup□ to enter into the interface, as follow:



Net Access point: Please select the network, GPRS/EDGE/3G
Sever address: the public IP or dynamic domain name of DVR.
Sever port: the sever port is the mobile port you setup in DVR.
User name: can be blank.
Password: the same as IE.
Channel: setup the default channel you want to check.
Please press Apply after you finished setup.

9 Display mode
Normal/ Full screen

Remark: Click screen can switch the display mode between normal and full screen.